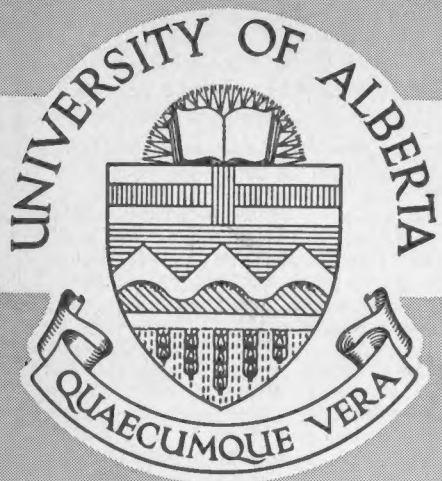
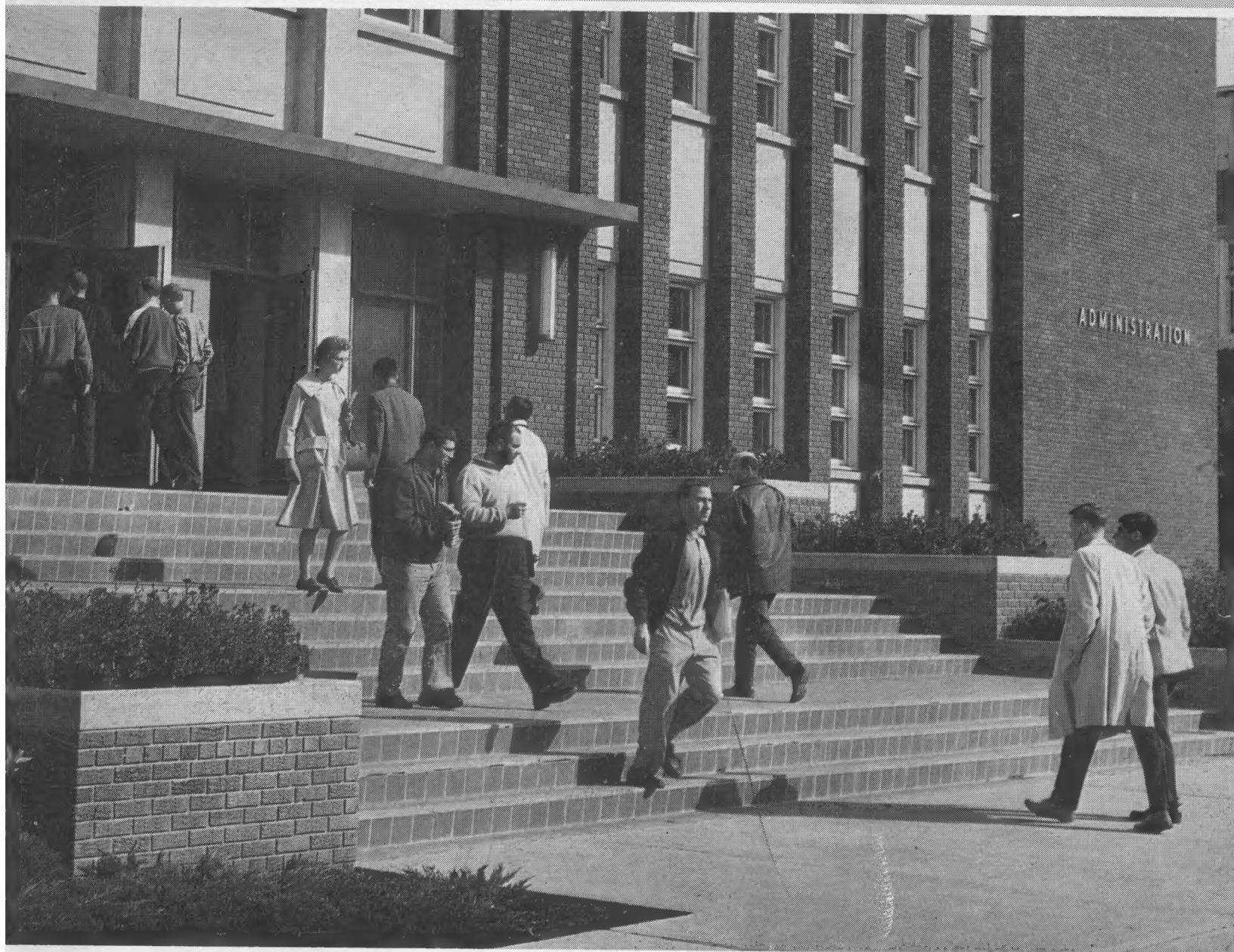




The **NEW TRAIL**



... the three b's

See Page 3

*“Democracy’s
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beanies . . . beards . . . and balding

The front cover, an unposed animated view of students on the move during Frosh Week, reminded us of three things. If you let your finger trace a diagonal pattern from top left to bottom right you will note first that the green and gold beanie is still a required item of initiation headdress, that bearded ones are still very much a part of the campus, and that the odd hairless head typifies the appreciable age span of students bent on achieving a higher degree of learning.



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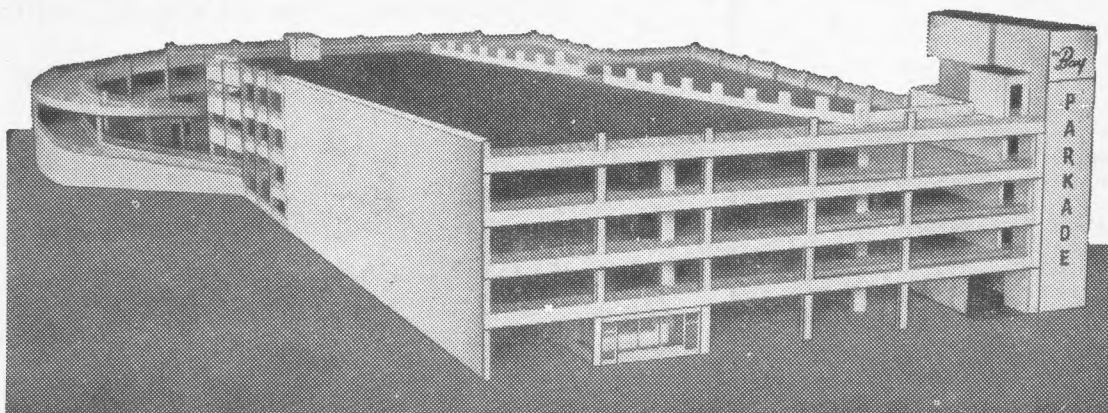
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YOUR CHILD PREPARES FOR UNIVERSITY



By
Eugene S. Wilson

NOT long ago, the head of a large testing agency told university educated parents of university bound students: "Enough is now known about evaluating individual abilities and achievements so that any parent who really wants to may view his child as the child will be viewed by the university."

Now this advice seems to be sound and simple. After all, you do receive regular reports from schools on your child's achievement in each subject. National agencies which offer standardized tests provide with the individual test results a manual of interpretation, so that you may know not only your child's scores, but how these compare with state or national groups of students.

You and your child can also discover through material in the school guidance office information on the range of test scores in freshman classes at many universities.

In spite of all this information, you can't think as an Admission Committee thinks, you can't outguess an Admission Committee, and if you try you may expose your child and yourself to needless disappointment.

This counsel to think as an Admission Committee thinks reminds me of the advice I received once in a deer hunting lodge on the night before the opening of the deer season, when a veteran deer hunter explained to me that "the way to get a deer is to think like a deer." His elaboration of this philosophy was so convincing that I asked and received permission to hunt with him the next day. What a time we had! He studied the wind, the ground, the trails, and then he explained to me how with such weather conditions the deer would probably do this. He stationed me on one old log and he went in another direction.

To make a long story short, I heard a lot of shooting around me; I saw a few deer killed by other hunters, but the expert and I never saw a deer. Apparently some deer were thinking as humans think.

Here are some of the reasons why you can't think as an Admission Committee thinks:

1. Admission Committees act differently each year according to the quantity and "quality" of applicants and the needs of the institutions involved. The ever swelling host of candidates has brought rapid changes in admission standards at every institution.

2. The weight given marks and test scores varies so much among institutions that even veteran school counselors hesitate to make firm predictions on individual cases. I have heard admission officers for Yale, Wellesley and Harvard state that test scores do not have the importance they once had in selection procedures. The reason is that at the most popular institutions too many candidates look alike when measured by either marks or test scores.

3. You can't know from year to year how much weight admission committees will give to certain other factors: i.e., school and geographical distribution, extracurricular achievement in art, music, drama, sports or community service, and occupational choice (some institutions limit the number in a class who want medicine, engineering, math or science).

4. You may be able to understand the strengths and weaknesses of your university bound child, but you can't know the quantity and quality of the other candidates at the university chosen by your child. At co-educational universities girls often meet higher competitive admissions standards than boys—and within a university some schools have higher entrance requirements than others.

Whether your child is accepted or rejected at any university depends not only on his credentials, but even more on how his credentials compare with those of the other applicants.

What then can you do when you want to help your child prepare for university—when you want to guide your child to an institution that will stimulate him fully?

There is only one safe workable program regardless of your child's test scores, his marks, or his other

achievements. This is a program that introduces your child to the mysteries of the world and to the excitement of discovery. This program should be started as soon as your child begins to talk and read.

Most children are born with a full measure of curiosity. They want to know what is going on about them and, as you know, the early years are filled with "What?" and "Why?" and "Where?"

If you have the time and the patience to answer these questions, you will nourish this curiosity that is the tap root of all learning. Only the curious learn.

Your child won't be many years old before you will encounter the first question you can't answer. You can shrug your shoulders and say, "Go away and stop bothering me." or "I don't know." or "Let's find out."

If you have the time and patience to lead your child in his probe of the unknown, in his search for knowledge, you will encourage the maintenance of a habit of inquiry. You may also rediscover for yourself the fun of learning.

But this nourishment of curiosity means that a mother cannot be too occupied with community affairs, social teas or bridge parties, and that on some mornings she may have to leave the beds unmade or the dishes unwashed until naptime, and Dad may have to miss a golf game. Priorities must be established.

Today there are so many forces working against the development and maintenance of curiosity in a child, forces like the radio, television, the automobile and hundreds of sporting events. All too often curiosity is throttled by spectatoritis, by parents who are too busy, and even, alas, by the rigidities of the school system and the desire of teachers to cover a certain amount of material so that students will do well on their tests.

If you want to help your child get into a University, you will always be aware of what your child is studying in school and especially what he is reading. Your reading will supplement his reading and your learning will mesh with his so that you will be in a position to stimulate his further learning by your answers to his questions. Learning becomes even more fun when it is shared by all members of the family.

The child who is a natural reader presents no great problems. If your family includes a non-reader you have a special problem, but one which can sometimes be solved by introducing him to books which feed his natural interests. A librarian will help you select books which deal with baseball, with the mechanical world, with birds or animals, and, later on, books on electronics, chemistry, music or art. Once your child has learned the fun of reading in the field of his special interest, there is a chance that he can be led into an exploration of other fields.

You may wonder at this point why I have said nothing about marks and test scores. The omission of these two tyrannies is intentional. When learning is in its rightful place, marks and test scores follow learning. Today so much emphasis is placed on the difficulty of winning admission to university and on the importance of tests and marks that all too often marks and tests have become the goals of learning rather than the by-products. When marks and test scores are made the primary target of learning, real learning is lost.

The school report cards give you an opportunity to place marks in proper perspective. Instead of asking "What did you get?," try, "What have you learned?"

EUGENE S. WILSON is dean of admission at Amherst College, and a leading U.S. authority on preparation for University.

As director of Amherst's admissions program since 1946, he has seen and dealt with students of varying abilities, interests and degrees of preparation for University. In this article he points out the attitudes and actions parents can take throughout the early life of their child to help him become truly prepared for the experience of University.

It is up to you to de-emphasize the marks and test scores and to help your child focus on reading, writing and learning. An approach like this as preparation for college helps your child to understand that learning is something he does where he is and that all about him are people and books which will help him learn. Under such a program your child will see that his understanding of the world does not depend on whether he is in Boston, or in San Francisco, or in Yankton, but on how much advantage he takes of the opportunities around him. If your child is reared in this manner, neither he nor you will worry about whether he gets into Harprince, Dartyale or Calford, but only that he gets to a university where he can talk to teachers, where he can read books, where he can work in the laboratory.

And now you may want to say, "Yes, but he may not get into a good university. He may not get into the best University. He may not get into my university." Actually, no one knows what a good university is. No one knows which universities are best. Harvard does have more graduates in **Who's Who** than any other institution, but considering the human material that has poured into Cambridge, Massachusetts, from all over the world for centuries, why doesn't Harvard have twice as many graduates in **Who's Who** as it does? Harvard could be doing a very poor job educationally and yet seem to be the top educational institution because of the intellectual drive and ability of the students who go there.

The head of the Department of Religion at Yale University is not a Yale man. He came from Dakota Wesleyan. The head of all medical services at Harvard is not a Harvard man. He came from the University of West Virginia. The former president of Princeton was not a Princeton man, but a graduate of Grove City College in Pennsylvania. The misery and torture of today's university admission comes because parents have taught their children to think that learning is a matter of geography; that learning can take place only in certain institutions.

COMMENTS

about

Your Child

Prepares

For University

By

A. J. B. Hough

The wise parent who has created in his child a desire to learn will approach the whole problem of university admission with one philosophy: "Go where you can get in, my son, and know that a great opportunity awaits you to discover more about people, more about ideas, more about things—more knowledge than you will ever master in the four years you are in university."

When this approach to university admission is taken by an entire family there can be no heartbreaking letters in the mail, no crushed egos, nothing but delight at any letter that brings news of acceptance, news than an adventure in learning lies ahead.



IN introducing his main ideas Dean Wilson uses two problems that are very much more complicated in the United States than they are in Canada. The first is that of estimating whether or not a child will be admitted to any college or university. The second is that of estimating if a child will be admitted to a particular university.

Many American universities use combinations of achievement and ability tests in determining admissibility. Since each institution develops its own formulas, and these may change from year to year, it is difficult for a parent to predict the chances of admission. Most Canadian universities rely on the average obtained in senior matriculation examinations, so that the question becomes that of estimating if a child can meet these clear and definable standards, prediction being much more accurate from prior academic achievement and from ability testing.

A recent article in **Life** points up the second problem. A hierarchical concept of universities has developed within the United States which results in a strong desire on the part of many to gain admission to what are called "prestige" universities and colleges. The Ivy League universities seem to be among the most select in this system. Seemingly it is not unknown for a student to apply to as many as six universities in the hope that one of the six will accept him. If more than one accept the application he then selects the university which ranks highest on the prestige scale. In Canada, McGill, Queen's, and, perhaps, Toronto, have a reputation for excellence that is nation-wide, and they do draw some students from all provinces. However, it is doubtful if there is the same marked trend that occurs in the United States.

The developments Dean Wilson refers to are largely due to the tremendous demand for university educa-

ARTHUR J. HOUGH, Counsellor to Student Counselling Services and Associate Professor of Psychology since 1955, received his M.A. degree from the University of Western Ontario and his Licentiate in Theology from St. John's College, Winnipeg.

tion that is only beginning to be apparent in Canada. In consequence, his introductory material is likely to be useful to those who will have children coming of university age within the next decade, for the growth of Canadian universities may force the adoption of other than the present admission standards, and, since there is some evidence that some of the American methods are more efficient, we may adopt selection systems something like some of those employed by United States universities and colleges.

Dean Wilson's article, while valid enough in stressing the role of parents in the preparatory educational process, is really only a drop in the bucket. Much has been learned about the formation of interests, attitudes, learning processes, and so forth, even if very much remains to be learned. In consequence, while the article makes a very useful contribution in pointing up the need for parental interest and participation during the school years, it makes no reference to what may very well be an even more important stage, namely, the pre-school period. There is much evidence suggesting that it is in this period that the basic matrix is formed. Nursery schools and kindergartens help, if their programs are what they should be, but of even greater importance are factors such as the attitudes and actions of parents when a child begins exploratory activity and when its language skills are sufficient for it to ask questions.

There is a danger in taking the Dean's suggestions too literally. Each year students of considerable intellectual potential enter universities and fail miserably. It is very easy to use terms such as 'lazy', 'rebellious', 'careless', or 'indifferent' in describing them. On the other hand, so very frequently one discovers that they come from homes where parents are too demanding, given too the exercise of too tight a control, prone to excessive nagging, or failing in affording opportunities for the teenager to learn through experience the meaning of responsibility. Hence, there is some danger that some



NEXT PLEASE

The above view is not of the Toronto Stock Exchange but fall registration. Because of the numbers of students that the University is attracting something had to be done to speed the entry process. Matters were finalized in the new University Rink. Centre tables carried the necessary forms to be filled in triplicate. Staff members ranged under course headings and numbers seated themselves about the outside perimeter where they answered questions, accepted registrations and dispensed class cards. At the exit, checkers scanned and finally approved each registration. All of which added up to a very orderly and efficient operation.

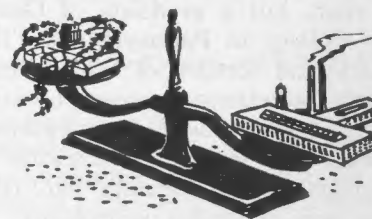
parents could find the article to be a further justification for an even more unwise and more harmful degree of demanding supervision than that which previously pertained.

These comments are not intended to be critical of what Dean Wilson has written. His points are necessarily few in number because of the limitations imposed by space. Books could be written on the subject. His article is of value because it brings to the fore the importance of parental participation in the educative process. It makes it very clear that education may not be relegated to the schools with any justifiable expectation that all that is necessary will be done. By implication it questions the marked tendency of surrendering to the school roles and functions that belong to the home. In short, it is well worth the reading.

University Plans Expansion Into Garneau

The University of Alberta will be spending \$6,000,000 over the next 15 or 20 years to expand into the Garneau district it was announced by Mayor Roper of Edmonton recently.

Acting on a proposal from the city's planning advisory commission, the University will purchase all property lying east of 112 Street to 109 Street between 87 Avenue and Saskatchewan Drive. The mayor said the University decision had provincial government support. Acquisition will be made as land becomes available for purchase or as required by the University.



SOME NOTES ON AN UNPUBLISHED THACKERAY MANUSCRIPT

by L.F.V. Johnson

(Professor of Plant Science)

I was very pleased, during a recent trip to England, to acquire an unpublished manuscript by W.M. Thackeray (1811-63), which is here reproduced in both letter print and facsimile. There is no doubt about its being in Thackeray's own handwriting, and in it he is characteristically capricious in forming his letters: *u* or *v*, *d* or *z*, *t* or *l*, *W* or *M*, etc. To some extent, the relative frequencies of these variations may be used to date his writing. For example, *Q* and a pronounced tendency towards *z* characterized his early, and *l* and *d* his later writing. The round *Q* as opposed to the pointed *A* became more frequent in the later writing. The alternative forms, *u* and *v*, were used almost at random throughout his life, even in his signature, and in a single word, e.g., *orderuing*, *murthev* and *furtherv* in the present MS. And he often failed to touch his pen in the upstroke of *u*, e.g., in *reherse* in the sixth line. It is interesting to note the use of the old-fashioned double - s twice in the MS. (*doubtless* and *oppress* in the third stanza). This habit seems to have disappeared after the 1830s.

The frequent use of *z*, *Q* and *fu*, and the failure to use *a*, probably dates this MS. before 1840.

The piece is evidently written to one Charlotte (fifth stanza).

Several of Thackeray's contemporary relatives (an aunt, two cousins and two second cousins) were named Charlotte, and it is interesting to speculate as to which might be the heroine. Cousin Charlotte Ritchie, nine years his junior (born 1820), was almost certainly the Charlotte. Thackeray may almost be said to have grown up in the Ritchie household (his aunt Charlotte, his father's sister, was Mrs. Ritchie), especially during the period while his mother and stepfather were in India (1817-19) and while he was at Charterhouse School (1822-28). He remained on intimate terms with the Ritchie family in both their London and Paris homes until his death.

Assuming that the piece (one hesitates to call it a poem) was written for Charlotte Ritchie, it must have been written when she was a pretty, young lady. This narrows down the time of its composition to 1838, when she was eighteen, or possibly the preceding year. The date could not have been after 1838, for in that year her good looks were destroyed by smallpox. Indeed, it is quite possible that it was written to amuse or console Charlotte during this same illness. (See reference to "you sick" in the fourth stanza). The Ritchies were then living in Paris, and at the time the piece was written were presumably about to take a sea voyage, probably a trip to England. This dating agrees with the previous one based on the nature of the handwriting.

*I have found out a gift for my fair!
And I trust that she'll not be off.
If I say that it's neat if not rare
And useful tho' not very splendid.*

*I have found out a gift - & be sure
That nobly it's praise I'd rehearse, if I'd
The genius of Byron or Moore
But my feelings a'nt used to be versified.
I'm no poet (you doubtless can guess it).
But the heart which to you I surrender
Would, but for the woes which oppress it
Say something excessively tender.*

*I would speak of the boisterous Ocean
In strains of most eloquent mussick
But oh! what a cruel emotion
I feel, when I'm thinking of!*

*I would speak of a land where you'll find
Of desperate lovers there are lots
Alas! you leave lovers behind
But you leave them a very few Charlottes!*

*If home hath a charm in your eyes
If constant affections a Jewel t'ye
Oh! go not! be kind & be wise
And repent of this horrible cruelty!*

*But why speak? while my heart's torn to pain
While with agonized vows I am filling her
She's ordering hats & pelisses
Not thinking of me but the Milliner!*

*While I mourn my love that's departed,
You'll speedily find out a fresh one,
And then you'll forget - fickle hearted!
This last dying speech & confession!*

*With the fire of your eyes you will murder,
The Captain, the mates, & the purser,
And as you go further & further,
Why I shall grow worsen & worsen!*

*So soon will be seen round my [bier]
My mourning relations in black array
And this is the last you will hear
Of unfortunate*

W. Thackeray.

I have found out a gift for my fair!
And I trust that she'll not be affe[nded]
If I say that it's neat if not rare
And useful tho' not very splendid.

I have found out a gift & be sure
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But oh! what a cruel emotion
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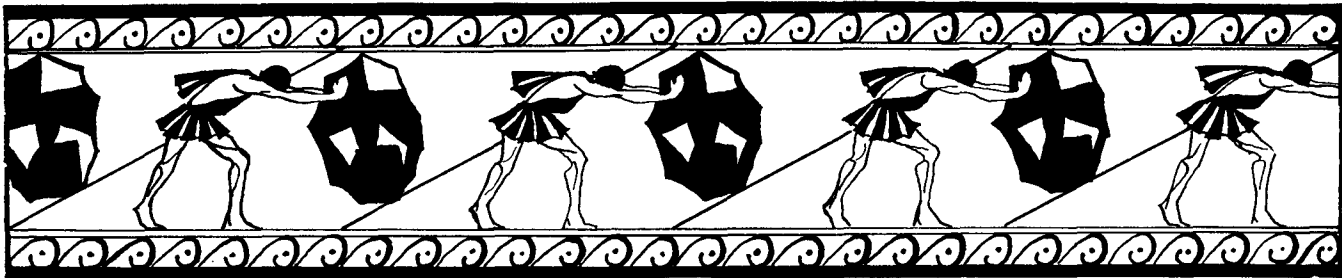
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This last dying speech & confession!

With the fire of your eyes you will murder,
The Captain, the mates, & the purser,
And as you go further & further
Why I shall grow worsen & worsen!

Yes, soon will be seen round my [bier]
My mourning relations in black array
And this is the last you will hear
Of unfortunate W. Thackeray.



SISYPHUS was condemned to roll to the top of a hill a huge stone that always rolled down again - money earned and frittered away is earned by fruitless labour . .

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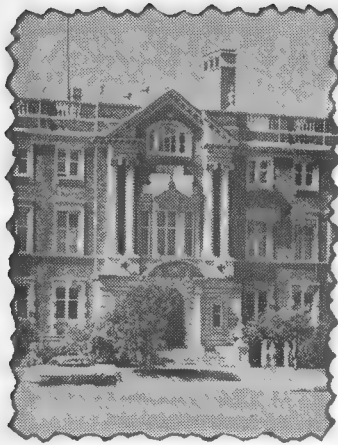
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Since October 1949 when the first War Memorial Scholarship award was placed 17 individual students or undergraduates have been helped on their academic way. The list is impressive and to it have been added this year five more grateful recipients. They are: Brian Adair Glanfield, Hoadley; Diane Helen Parsons, Westlock; Larry Virgel Pimm, Amisk; Aubrey James Tingle, Edmonton; Richard Dwight Williams, Calgary.

New Director S.C.S.

Peter Rempel, 51, has been appointed acting director of Student Counselling Services. Dr. Rempel succeeds Dr. Alex Cook who retired in August as counselling services director after 36 years of full-time duty with the University.

Dr. Rempel was an elementary school principal at Hague, Saskatchewan, in the thirties and from 1938 to 1950 taught English and history at Rosthern Junior College. In 1938 he received his B.A. and B.Ed. degrees from the University of Saskatchewan and in 1955 a Doctor of Philosophy degree in counselling psychology from the University of Minnesota. A member of the psychology staff of the State University of Iowa from 1955 to 1959, Dr. Rempel came to Edmonton in the fall of 1959 as an associate professor of psychology. Since then, along with his teaching duties, he has been active in the field of student counselling.

A member of Sigma Xi, Dr. Rempel is affiliated with the American and Canadian Psychological Associations as well as the American Personnel and Guidance Association.

Amisk, Alberta
September 9, 1961

The University of Alberta
Alumni Association
University of Alberta

Dear Sirs:

I would like to express my utmost appreciation for the War Memorial Scholarship granted me. I only hope I can fulfil the expectations of your Association in such a manner that in later years you will not feel that I was an unwise choice.

Sincerely,
Larry V. Pimm

Hoadley, Alberta
September 11, 1961

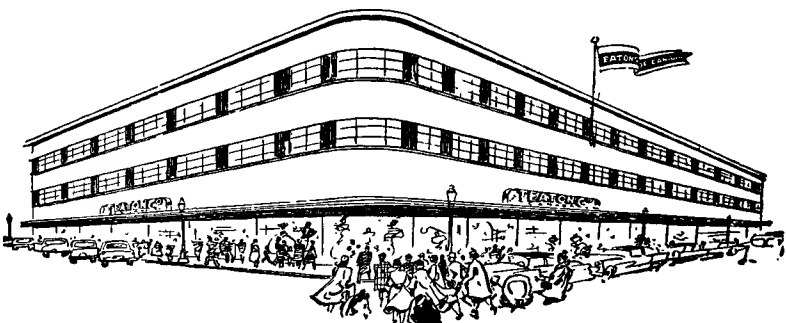
The Alumni Association
University of Alberta

Dear Sirs:

Needless to say, I am very pleased to be chosen for your War Memorial Scholarship. I am also very grateful to your organization as this award will help me in my University years.

Yours truly,
Brian Glanfield

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EDMONTON CANADA

Capital Expenditures

Apart from financing the capital cost of its military colleges, the federal government had no programme of assistance for university construction until The Canada Council was established in 1957.

The Council was given two \$50-million funds, one designated the University Capital Grants Fund. From it matching grants are made to assist universities in the construction of buildings devoted to the arts, humanities or social sciences. By the end of March 1961 approval had been given for grants totalling \$25 million. Actual payments were \$1.3 million in 1957-58, \$3.5 million in 1958-59, \$7.0 million in 1959-60, and \$8.0 million in 1960-61.

Obviously, this source of capital funds will be exhausted soon, but the need for construction money will continue. It should be noted that the Canada Council fund may be used only for the arts, humanities and social sciences, including, under certain conditions, residential accommodation for students. There is no federal programme for support of construction of university buildings to serve other disciplines—the biological and physical sciences, education, law, social work, theology. This situation should be considered in relation to the fact that, in the ten years 1955-56 to 1965-66, university building for the sciences will cost nearly three times as much as for the arts.

A recent addition to the federal government's capital assistance programme was by amendment of the National Housing Act in December 1960. Provision was made for loans to universities (to a maximum total of \$50 million) for construction of student residences. By the end of March 1961 the Central Mortgage and Housing Corporation had received and had approved or was giving "formal consideration" to applications for loans from 18 universities and colleges, totalling \$23 million.

—C.U.F. report



THE CLANG OF CASH REGISTERS

For two weeks during fall registration the Bookstore in the Administration Building does a land office business. There are texts and supplies to be purchased by the droves and everybody needs them before classes.



CHECKING CREDENTIALS

At the President's reception at the Alumni Ball a maverick member of the class of 36½ checked in. Shown examining his credentials are left, Dr. P. J. Kendal '36; E. E. (Ted) Bishop, President of the Students' Union '36; and Dr. Wm. S. Murray '36.



Bryce Rollins '48 has been appointed assistant professor of finance in the faculty of commerce. Since 1955 Mr. Rollins has given several courses at the University and during the past session was a lecturer in corporate finance.

UAC Enrolment To Quadruple In Decade

The University of Alberta, Calgary, is probably North America's fastest growing university and by 1970 should quadruple its present capacity, says Dr. M. G. Taylor, UAC principal.

Speaking recently on the university's growth during its first year of operation, Dr. Taylor forecast tremendous improvements by 1963.

Registration for this year's term was up 40 per cent. Students have come from as far away as China, the Phillipines, British Guiana, and South Africa.

A new gymnasium is under construction and should be open by the end of December.

A \$2,500,000 library, university residences, new laboratory and office building are all in the planning stages and should be completed by 1963.

At the present rate of growth, 3,000 students will be attending the university in 1963 and more than 6,000 by 1970, Dr. Taylor forecasted. This year, 1,500 students are enrolled.

Leading Educationist Retires

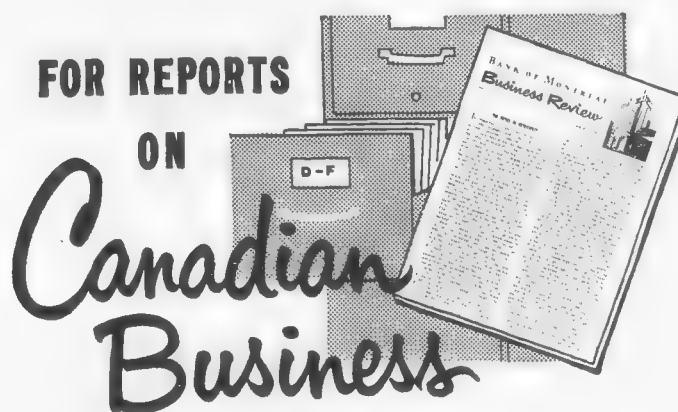
Dr. A. L. Doucette, Associate Dean of Education at the University of Alberta, Calgary, has retired after 32 years of outstanding service in the field of education.

Since coming to Alberta in 1922 Dr. Doucette has been associated with education at every level: High School teacher in Edmonton, instructor at three of the Provincial Normal Schools, Inspector of Schools, Director of the Calgary Campus and,

since April 1960, Associate Dean of the Faculty of Education, University of Alberta, Calgary.

Dr. Doucette obtained his academic education at three universities: the Bachelor of Science degree from Dalhousie, the Master of Arts from the University of Alberta, and the Doctor of Education degree, cum laude, from Stanford University.

From 1947 to 1960 he directed the growth of the Calgary Branch of the University, paving the way for the move to the new campus.



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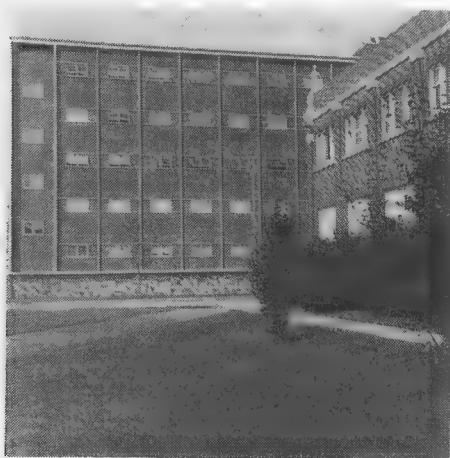
Provincial support of universities and colleges more than doubled in the five years 1954-55 to 1959-60—from roughly \$40 million in 1954-55 to an estimated \$88 million in 1959-60. In 1960-61, total provincial expenditure for university operation (including research) and construction was probably close to \$100 million.

There are marked differences in provincial support of universities in relation to enrolment, population, total personal income and total provincial expenditure.

Total provincial expenditure on universities per full-time student ranged, in 1958-59, from \$206 in Nova Scotia to \$1,776 in Alberta, with an average of \$765 for the ten provinces.

On a per capita basis the variation was from less than \$1 in Newfoundland to nearly \$8 in Alberta. The average for all provinces was just over \$4 per capita.

When provincial expenditure for universities is compared with total personal income—a measure of effort—provincial performance varies in much the same way. In 1958-59, Newfoundland's contribution was equal to approximately one-tenth of one per cent of personal income. Nova Scotia's was of the same order. Prince Edward Island, New Brunswick, Quebec and British Columbia contributed closer to two-tenths.



TIMES HAVE CHANGED

The long brick rectangle of the North Lab remains unaltered, but across the road to the west, where once stood the Studio Theatre, now blank windows stare out from the massive east wall of the new Chemistry Building.

Operating Grants

The chief form of federal aid is the programme of university grants begun in 1951-52 and now authorized by the Federal-Provincial Tax-Sharing Arrangements Act. Originally the grants were allocated to provinces at the rate of 50c per capita of the population of the provinces and divided among the universities of each province in proportion to the numbers of full-time students enrolled. In 1956-57 the rate per capita was raised to \$1.00 and in 1958-59 to \$1.50. The grants totalled \$7 million in 1951-52 and \$26.7 million in 1960-61. In 1961-62 it is estimated that they will be about \$27.3 million.

—C.U.F. report



Ladies from India bent on a teaching career in Alberta are frequently seen between classes and Pembina Hall.

Sims Travelling Professor

One of the world's leading cardiologists, Dr. Paul Wood, Sims Travelling Professor for 1961, has left Edmonton for Cincinnati after visiting and speaking on the University campus recently.

Dr. Wood is physician to the National Heart Hospital, director of the Institute of Cardiology and consultant to the Brompton Hospital in London, England.

While on the campus briefly Dr. Wood talked to third and fourth year medical students about modern clinical methods of value in heart disease. He also spent some time with staff of the cardio-vascular unit at the University Hospital and addressed an evening meeting of the Edmonton branch of the Alberta Society of Internal Medicine.



THE OLD PRINT SHOP

A few scant years ago the Print Shop seemed to loom large next to the Power House and Cafeteria. Today it is lost in a cul-de-sac, shut off from the sun and frowned down upon by the white-faced masonry of the Engineering Building addition.

University Salaries Show Big Increase

Canada's university professors, in legend men doomed to shiny pants and patched elbows, are heading for the upper brackets, says an Ottawa correspondent.

A recent government statistical survey shows the average university salary has gone up 14.2 per cent in the last two years, and now stands at \$8,151. This covers all grades of teachers and some of the salaries are much higher.

For example, the average dean's salary is \$14,370, a professor's \$12,211, an associate professor's \$9,384, and an assistant professor's \$7,469.

Considering the salaries some of these highly-educated individuals might command in private industry, the figures are scarcely spectacular. However, sharp increases in the last two years reflect the success of assiduous campaigning for more money and increased attention to the problem of retaining able personnel in the colleges.

In the last two years, the average salary for a dean has gone up 18.3 per cent, for a professor 21.9 per cent, for an associate professor 18.4 per cent and for an assistant professor 15.7 per cent.

Regionally, the western provinces can boast the most generous attitude toward their university teachers.

A PICTURE OF DR. BOYLE

The Engineering Faculty at the University is anxious to obtain a picture of the late Dr. Robert William Boyle, M.A., Ph.D., former professor of physics and dean of the faculty of applied science. Anyone having such a print is asked to kindly get in touch with Prof. Leonard Gads, Associate Dean of Engineering.



Store room and chemistry supply facilities are provided on every floor of the Chemistry Centre, the main store room occupying one-quarter of the basement floor. The smaller store rooms on each floor are used as special equipment stores and for supplies to the undergraduate laboratories. A solvent room runs out from the basement under the terrace to the south of the building, effectively removing the danger of inflammable substances, while making them readily available.

A large stock of chemicals, glassware and other equipment is kept on hand for research and teaching needs. There is a staff of technicians who are in charge of dispensing equipment and preparation of bulk chemicals for the undergraduate laboratories. The ordering of all major supplies is handled by an administrative assistant.

MARRIAGES

Miss Carolyn J. Adams '60 to Edward E. Rice '57
Miss Leah D. Baker to Robert V. Greenfield '59
Miss Sondra L. Bellas to Joseph A. Spier '59
Miss Lynn C. Brown to Murdith R. McLean '60
Miss Thelma J. Curry '59 to Harvey N. Wilkinson '59
Miss Linda J. Dale '61 to Gordon J. Leitch '58
Miss Sandra Dunnigan '61 to Gerald Galenza '60
Miss Adele S. J. Fitzgerald to Richard H. M. Anthony '58
Miss Elizabeth R. Gaetz to Dr. John Geddes '50
Miss Doreen M. Gardiner to Dr. William J. O'Callaghan '61
Miss Florence A. Gilmour to FO Jack A. Dickson '61
Miss Karen Grove '61 to Howard Roppel '55
Miss June C. Jamison '61 to Robert Coyle
Miss Theresa M. Kehoe '57 to David A. Markle '58
Miss Irene Klassen '60 to Otto Bergen
Miss Carol Larson '61 to George Thew
Miss Mary McCaffery to David Panchyshyn '59
Miss Isabella S. McMillan '60 to Lawrence P. Chickloski
Miss Dorothy L. Martin to Edward S. Pipella '54
Miss Elaine H. Meighen to Marc Berzins '59
Miss Joyce E. Miller to David C. McDonald '53
Miss Esther R. Newhouse '60 to Dr. Aubie Angel
Miss Affy J. Newson to Joseph P. Brumlik '53
Miss Mary K. Palmer to Dr. Nestor A. Mitenko '59
Miss Sheila Pherrill to Dr. Robert G. Collier '61
Miss Lucy M. Powell to Robert D. Marven '61
Miss Mary I. Purcel '60 to Norman P. Archer '60
Miss Claudia I. Repka to Dr. Myron Stechishin '59
Miss Nan B. Robertson '59 to Andrew B. S. Pernal
Miss Alice Romanowski '59 to Steve Onyshko '59
Miss Lorena Shaw to Donald D. Karoles '60
Miss Darlene L. Sills to Dr. Raymond A. Ulan '61
Miss Marylyn E. Steele to Dr. Lawrence H. Pazder '61
Miss Betty J. Swanson to Ernest Portfors '61
Miss Susan Tashman to Morley S. Lipsett '58
Miss Maryetta Thornton '60 to John A. Blackett
Miss Mabelle J. Tingle '61 to Raymond B. Collins '60
Miss Barbara M. White '56 to Mervyn G. Lutes

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Frosh Week and its hectic activities are over and the thousands of young people who have arrived to grace the halls of higher learning in 1961 are settled in classes located in every conceivable niche on the campus.

Down in the Education Building the Studio Theatre people have formulated their program for the season. **Tom Peacocke**, recently appointed assistant professor of drama, has agreed to direct *The Visit* by Duerrenmatt as the Alumni Players presentation sometime later in the winter.

At a fall meeting it was decided by the Alumni Players that in addition to the major production they would hold a series of experimental readings and workshop classes; take over a major responsibility for the forthcoming Western Canadian Educational Theatre Conference; and hold a series of informal meetings with professional theatre people. The first of these will be with Dr. Peter Arnott, who is bringing his classical marionette theatre to Edmonton in November.

It will come as sad news to a good many graduates in Arts and Science who are contemplating going into the teaching field that they will now need twelve additional courses to qualify for a Bachelor of Education degree. Up to now only nine additional courses were required beyond a previous degree.

The professional teaching certificate, which permits teaching of grades one to twelve, may be obtained in one year, rather than one year and one summer session under the old system.

The certificate is interim and may be made permanent by two years of teaching and a recommendation from a high school inspector.

Under the old system, the department of education issued a standard "S" certificate at the end of one year of teacher training, which had to be renewed.

In addition to the basic one-year teacher education program, the student will have

options of three senior arts and science courses and three senior education courses.

Last summer a distinctive honor was conferred on a former member of the staff, **Dr. Robert M. Hardy**. The former dean of engineering was presented with an honorary membership by the Engineering Institute of Canada in recognition of the various engineering contributions that he had made.

Distinguished members of the University staff continue to receive fellowships and awards which take them afield for study. Of the six Guggenheim fellowships placed this year, two were awarded to campus professors. **Dr. Peter de Beauvoir Brock**, assistant professor of history, will study the history of pacifism and **Dr. Joseph Szoverffy**, assistant professor of German philology and Mediaeval literature, will study the history of vernacular lyric poetry in the Middle Ages.



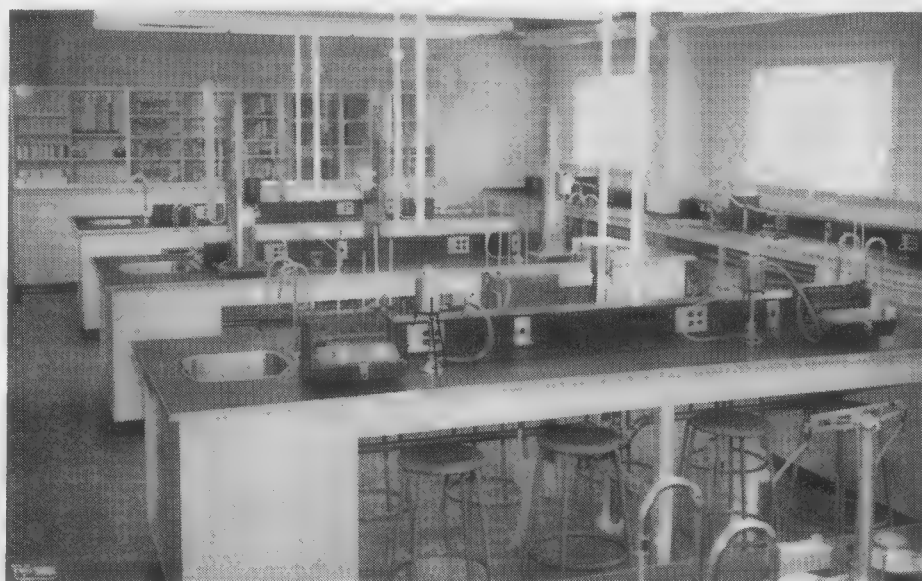
NOW IT'S MEDICAL SCIENCES

For many of our readers the "Med" Building will always be just that whether they add the word "Sciences" to it or not... Outwardly unperturbed—inside, this grand old edifice has recently suffered the pangs and tortures of a million-dollar renovation.

UAC Has New Colors

The University of Alberta, Calgary, will have new but unofficial colors this year. Red and gold will be the "rallying" hues for student spirit during the 1961-62 term.

The change from green and gold the official U. of A. color is on a trial basis and this year only appeared in the beanies and badges distributed to first year students.



Most of the undergraduate laboratories in the Physics Centre are concentrated on the second and third floor, and can accommodate 380 students at one time. For the most part they are divided into units for 20 to 30 students, a convenient number to be supervised by one instructor. Different rooms are used for different branches of physics, heat, mechanics, optics, electricity, atomic physics, etc., but as most of the equipment is portable, laboratories can easily be converted from one use to another.



'21

Rev. J. W. Bainbridge recently celebrated his golden jubilee as a minister of the faith in Alberta.

'25

Miss Grace Studholme retired from teaching this year leaving the staff of the Victoria Composite High School.

'28

G. S. Ortner has been named manager of the personnel division of C. M. and S.

'31

Miss Margaret Lang, department of national health and welfare, is the new president elect of the Canadian Dietetic Association.

'34

Arnold Platt has been appointed executive secretary in charge of public relations for the U.F.A. Co-op.

'35

Dr. Ralph Carlyle who has been with the United Nations since 1952, says that after having worked as a soils micro-biologist on projects in India, Pakistan, Chile, Yugoslavia and Indonesia, he cannot find much to support the sensational "hunger" statements.

Dr. Kathleen Swallow will leave for Johns Hopkins University this fall to take a master's degree in public health. She was granted a fellowship by the Canadian Pediatrics Society.

'36

Fred U. Brown has been re-appointed chairman of the United Community Fund in Edmonton.

'37

Miss Flora MacLeod, head of the Calgary public reference and technical Library, has been appointed head reference and circulation librarian of the library at U.A.C.

C. K. Malcolm was recently appointed superintendent of the Swift Canadian Company meat packing plant in Edmonton.

Mrs. Ruth Gorman was named citizen of the year at an annual awards night sponsored by the Calgary Junior Chamber of Commerce.

'38

J. C. Charyk, principal of the Hanna High School, has been elected to the Canadian College of teachers.

During the past ten years he has been involved in experimental work in mathematics teaching. Five of his articles have been published in professional journals.

'40

Archie Wilcox represented Calgary at a two-week workshop on using newspapers in the classroom held recently at Florida State University.

'41

Miss Jeanie S. Clark, director of nursing services at the University Hospital, has accepted an appointment as director of nursing services for the Foothills Provincial General Hospital to be completed in Calgary in 1964.

'42

Miss Ruth Hyndman is the new chairman of the archives committee on the national executive of the Canadian Federation of University Women.

'43

Dr. Raymond Lemieux, the leading carbohydrate chemist in North America, has been appointed professor of organic chemistry at the U. of A.

Miss Sheila Toshack has returned to the campus after taking advance studies at the University of Toronto.

Dr. and Mrs. G. A. Larue and sons were summer guests in Calgary.

'44

Dr. W. R. Trost has been appointed dean of the faculty of graduate studies at Dalhousie University.

Rev. J. Ernest Nix is the minister of Hillhurst United Church in Calgary.

'45

Dr. John S. Colter has been appointed head of the department of biochemistry on the campus.

'46

Miss Priscilla Mewha has resigned as associate supervisor of 4-H clubs in Alberta to continue here studies at Colorado State University.



THE GRAND MARCH

The huge ice numerals "36" atop the University crest also sculptured a la deep freeze formed the backdrop for the Grand March of the silver anniversary class at this year's Alumni Ball.



HALF A REUNION

With the head table standing (background) only half of the couples are shown that attended a recent annual dinner of the Medical Alumni Association in the Macdonald Hotel. The banquet, chaired by Dr. J. L. Edwards, Medicine Hat, and specially honoring the silver anniversary class in medicine, was held in conjunction with a convention of the Canadian Medical Association (Alberta Division). Dr. Walter Johns, President of the University, was guest speaker.

'47

Harold A. MacNeil has been appointed superintendent of the Edmonton Separate School system.

Melvin Sillito was recently appointed executive assistant of the Alberta Teacher's Association.

George Hodge, Edmonton waterworks superintendent, has been appointed first assistant city engineer.

The new principal of the Camrose Lutheran College is **Gulbrand Loken**. For 18 years he has served as principal of the Lutheran Collegiate Bible Institute in Outlook, Saskatchewan.

'48

Ian C. MacDonald was recently elected president of the Edmonton Zoological Society.

Dr. Wesley H. Coons has been appointed associate professor of clinical psychology at Dalhousie University.

Margaret M. Aronson was recently

awarded a doctor of philosophy degree in biology by the University of Rochester.

H. A. Doherty has been appointed an executive assistant with the Alberta Teachers' Association. He will assist with the Association's economic welfare program.

Dr. R. M. Petrie, Victoria, was a speaker about distance in space at an Edmonton meeting held during the summer. He was accompanied by **Mrs. Petrie '37**.

W. R. Dawe is new principal of the Lindsay Thurber Composite High School in Red Deer.

'49

H. A. Allard has been appointed to the position of family court judge in Calgary.

C. R. Thompson, now deputy director of aircraft engineering at air force headquarters in Ottawa, has been promoted to the rank of group captain.

N. J. Andruski has been appointed high school inspector for the Peace River country.

Two Edmonton doctors have been awarded research and training grants to continue the fight against arthritis.

Sharing in a \$110,000 research grant awarded to doctors across the nation is **Dr. J. B. Sproule**.

'51

Alex Malycky has been awarded a doctor of philosophy degree by the University of Cincinnati.

'53

Dr. Ray A. Craddick, a clinical psychologist with the University of North Dakota, joined the faculty of New Mexico State University this fall. He will be doing research and service as clinical psychologist in the University Guidance Center.

'54

Dr. Ronald E. Jordan has been appointed lecturer in dentistry at Dalhousie University.

'55

A master of fine arts in drama diploma was presented to **Charles T. Peacocke** at a

recent convocation held at Carnegie Institute of Technology.

H. A. Rawdon de Paiva received a doctor of philosophy degree at spring convocation at the University of Illinois.

Dr. C. W. Norstrom has been awarded a master of science degree in neurosurgery from the University of Minnesota.

'56

Three Edmonton men have completed work for the degree of master of business administration at the University of Western Ontario. They are **George W. Lange**, **Robert A. Robinson** '57 and **Dennis W. Hollingshead** '57.

'57

Mr. and Mrs. Norman Brouwer and family are on their way to Mkar, Nigeria, where Mr. Brouwer will join the staff of six at a teacher training centre.

Dr. Morris H. Rivers has received a master of science degree in neurosurgery from the University of Minnesota.

Mrs. Harold G. Baldrige (nee **Mary Humphrey**) of New York was recently awarded \$100 for the best play, "Is This A Friendly Visit" submitted in the Alberta Drama League's playwriting competition.

Miss Dianne Stover has been awarded a N.R.C. studentship to continue postgraduate study in chemistry.

'58

An alumnus who last year appeared in the Studio Theatre production "The Merchant of Venice", **Hutchinson Shandro**, has been prominently cast this summer in the Oregon Shakespearean Festival at Ashland.

Dr. Cameron G. Strong has been appointed resident in internal medicine at the Mayo Foundation at Rochester.

Ross Hetherington has been appointed instructor in physical education at the University of Saskatchewan. He will be coach of the swimming team and will instruct in aquatics in the school's general program.

Donald I. MacLeod graduated in law this spring from U.B.C.

Elsie Kolodinski has been appointed social welfare officer on the staff of the Swift Current welfare department.

'59

A 57-year-old Edmonton professional engineer who was admitted to the Alberta Bar recently, says, "A man shouldn't pass up a challenge because of age."

Norman A. Bradley was thinking of retiring as an engineer when he became interested in law. "It so grasped my attention that I decided to try my hand at it," he recalled.

Miss Ruth B. North recently received a master's degree in science from the University of Saskatchewan.

Peter W. Hochachka was the recipient of a master of science degree at the annual Dalhousie University convocation.

'60

A Medicine Hat man who received his elementary education in China has won the annual \$1,200 Alberta Tuberculosis Association research fellowship.

He is **Dr. Bruno Freigang** who arrived in Canada at the age of 18 and completed his high school training at Medicine Hat.

Ronald Naundorf, on the arm of a fellow graduate, received the degree of bachelor of social work at a convocation of the University of Toronto. He is blind.

'61

The first Canadian to receive a Canadian doctor of philosophy degree in pharmacy, **Dr. Kenneth M. James**, has been appointed to the staff of Idaho State College at Pocatello.

A \$1,000 fellowship in petroleum engineering has been awarded by the California Standard Company to **Ralph E. Hughes**.

A new award offered by the Canadian Foundation for the Advancement of Pharmacy, which is open for competition among all graduating students in pharmacy in Canada, has been won by **Miss Lorraine D. M. Schultz**.

Winner of a Canadian Good Roads Association \$2,000 scholarship, **H. K. Walker** plans further study in highway engineering at the U. of A.

Calgary geologist **Calvin R. Evans** will spend three years in England studying for his Ph.D. degree.

Richard W. Bide has been named one of the four 1961 winners of Commonwealth Scholarships.

A graduate with first-class standing, **William A. Murray**, has been awarded a N.R.C. scholarship. He will continue work for a master's degree in mathematics on the campus.

Loan Funds For Students

Loan programmes to assist students to begin or continue their studies at University are in operation in each of the ten provinces. In nine provinces these programmes are financed directly by the provincial governments; in the tenth, British Columbia, the provincial University was authorized in 1959 to borrow money to establish a loan fund, with the provincial government acting as guarantor of the loan.

Maximum loans available range from \$200 to \$800. Average loans granted in 1959-60 in the nine provinces ranged from \$200 to \$720; the average for the nine provinces being \$310. In the majority of provinces interest of between 3% to 5½% is charged on loans after a student has terminated his studies. Assistance is generally available to students in any degree course except theology at Universities within the province. When the selected course of study is not available at a University within the province, a student may receive assistance to study elsewhere. Three factors are taken into consideration before a loan is made: academic merit (standing of 65% is often required), financial need, a student's domicile.

In Alberta students may apply for assistance in the form of Provincial Student Loans up to a maximum of \$400 per year. Interest at 3½% per annum is applicable after completion of studies. Expenditure in 1959-60 was \$220,926; number of awards was 886. The average award was \$249.

DEATHS

Thomas H. Wells '18—well-known Edmonton barrister.

George L. Wilson '23—former school inspector of the Peace River, Foothills and Calgary School Divisions and Calgary suburban inspectorate.

Mrs. J. Angus McDonald (nee **Helen St. Clair Armstrong**) '25—life member of the General Alumni Association.

Dr. H. G. Claxton '26—prominent Calgary medical practitioner.

Margaret O. Cogswell '30—retired, former assistant professor of health at the University of Alberta, Calgary.

Gordon J. Newton '33—Edmonton lawyer and well-known Edmonton public service executive.

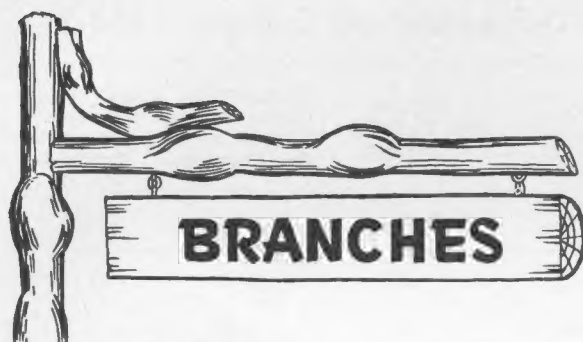
John S. Gilbert '38—Edmonton pharmacist.

Rev. E. B. Coll '45—former principal of St. Mary's Boys' School.

Mark Millar '52—member of the Edmonton City Engineering Department.

Dr. Geneva Misener—former professor of classics at the University of Alberta and one of the first women to graduate from a Canadian University.

Dr. R. A. Rooney—former professor of dentistry at the U. of A. and long-time member of the Alberta Dental Association.



Toronto

We haven't had a follow-up report but Toronto unit was destined to hold a family picnic in the latter part of September—come rain or shine. Mr. and Mrs. Mike Bevan, Kleinburg, were to open their residence, "the old school house", for the occasion.

The branch has a new executive headed by the same Mike Bevan '45. Roger Harding '28 is the vice-president and Mrs. Fred J. Heath '38, I am happy to say, continues as secretary of the unit.

Vancouver

Conscious of the fact that they have won the U. of A. Alumni Merit Award as the most outstanding alumni branch in Canada on two occasions, the west coast executive have been pulling out all the stops to insure that the Award and the Burgess Cup stay with them for the third year running.

By way of stimulating graduate enthusiasm a third annual football rally was held late in October in the Officers' Mess in the U.B.C. Armouries. This post-football game get-together was designed to celebrate the victory of the U. of A. Golden Bears over the U.B.C. Thunderbirds.

Medical Alumni Association

An annual meeting of the Association in the form of a banquet at the Macdonald Hotel was held earlier in the fall in conjunction with a conference of the Canadian Medical Association (Alberta Division). There was an excellent turn-out of doctors and their wives. They were favored with a stimulating state of the University message by President Walter H. Johns. Dr. Jack Edwards, Medicine Hat, President of the M.A.A. was toastmaster. During the course of the evening he introduced eleven medical graduates of the silver anniversary class of 1936 who stepped forward to receive their sterling silver trays embossed with the University crest, an attractive memento of the occasion. New M.A.A. executive officers elected to office were: Dr. J. L. Edwards, past-president (Medicine Hat); Dr. Nelson Nix, president (Edmonton); Dr. A. L. Hepburn, vice-president (Calgary); Dr. Ben Margolis, class '37 (Edmonton); Dr. L. Johnston (Lethbridge).

Varsity Christian Fellowship

An alumni branch was organized this spring to foster fraternal relationship, to help establish and maintain a key interest in regional and national work of the I.V.C.F., and to uphold the welfare of the University.

The initial activity took place at Pioneer Ranch Camp in conjunction with Campus in the Foothills. Over 20 alumni attended. Guest speaker was Dennis Clark, inter- varsity stewardship secretary.

An October meeting was held at which Wilber Sutherland was the main speaker.

There has been some discussion about the establishment of a Dr. John Unrau Memorial Fund to encourage scholarly contributions in the way of literature and thought by graduates. All interested queries re membership and the Fund should be addressed to the V.C.F. Branch, Box 661, University of Alberta.

ASSISTANT TO PRESIDENT

Brian H. McDonald, Calgary, has been appointed administrative assistant to the President.

Mr. McDonald graduated from the University of Saskatchewan with a bachelor of commerce degree with great distinction in 1954. He was awarded the University's prize in commerce that year. In 1955 he received a master of business administration degree from the University of California, Berkeley. Prior to his University appointment Mr. McDonald had been a member of the staff of the Royalite Oil Company Limited, Calgary, and the Aluminum Company of Canada Limited, Montreal.

As assistant to the President he will be active in the field of University administration with particular reference to the business aspects of the institution.

ASSISTANT TO VICE-PRESIDENT

Dr. Bernard C. Riedel, '43, '49, professor of pharmacy, has been appointed Executive Assistant to Vice-President Cragg, it was announced recently by President Johns. His new responsibilities will be concerned mainly with developments in the scientific and professional areas of the University's work in which rapid expansion is expected to continue.

VICE-PRESIDENT OF C.I.C.

Dr. Laurence H. Cragg, Vice-President of the University of Alberta, has been elected vice-president of the Chemical Institute of Canada. Dr. Cragg is the co-author of several chemistry textbooks in use in many Canadian high schools.



POST-GAME RECEPTION

Following the homecoming intervarsity football game on the campus grid Alumni President and Mrs. H. G. Thomson were hosts at a reception for the class of '36. Left to right, Mrs. Thomson; President H. G. Thomson; Mrs. Ted Bishop; Ted Bishop, Students' Union President '36; Mrs. G. M. Wilson '36; G. M. Wilson, Grande Prairie; Mrs. A. McQuarrie; Allan McQuarrie, Calgary.

Sources of Operating Income

The three principal sources of university operating income are:

- (1) Provincial governments
- (2) Students (tuition fees)
- (3) Government of Canada.

In 1950-51, provincial governments contributed less than \$20 million toward the operating costs of universities and colleges. This amounted to 41% of university operating income. The federal government's share was 4%, tuition fees accounted for 35%, and endowment, gifts and miscellaneous sources yielded 20%.

Federal grants to universities, as recommended by the Massey Commission, were begun the following year and totalled \$7 million in 1951-52. This boosted the federal share to 15%. That of the provinces dropped to 37%, tuition fees to 30%, and other sources to 18%.

In the intervening years the percentage of university operating income received from provincial governments diminished while the number of dollars from that source more than doubled. The percentage from tuition fees also decreased. During this time the federal government's share rose from 4% to 24% and its dollar contributions increased eighteen-fold.

—C.U.F. report

Federal Support

Federal support of Canadian universities and colleges more than trebled between 1954-55 and 1959-60—from roughly \$14 million in 1954-55 to approximately \$43 million in 1958-59 and a somewhat higher figure in 1959-60.

In 1958-59, operating grants to universities and the cost of operating the three Canadian Services Colleges totalled an estimated \$30 million, and research grants to universities added another \$8 million (exclusive of aid to students). Capital grants to universities (through The Canada Council) and costs of construction at the military colleges amounted to about \$5 million. These figures do not include Canadian aid to university institutions abroad under the Colombo Plan and related external aid programmes.

—C.U.F. report

Provincial Support of Universities and Colleges, 1958-59

Province	Support Per Full-Time Student	Support Per Capita of the Population of the Province	Support as % of Personal Income of the Province
	Dollars	Dollars	%
NEWFOUNDLAND	371	0.92	0.11
PRINCE EDWARD ISLAND	441	1.82	0.21
NOVA SCOTIA	206	1.45	0.14
NEW BRUNSWICK	366	2.14	0.23
QUEBEC	462	2.86	0.23
ONTARIO	1,105	5.13	0.30
MANITOBA	954	5.79	0.40
SASKATCHEWAN	857	4.27	0.33
ALBERTA	1,776	7.74	0.50
BRITISH COLUMBIA	569	3.89	0.23
AVERAGE, 10 PROVINCES	765	4.16	0.29



ALUMNAE OF '36

Wearing their black mortarboards with aplomb and obviously enjoying the opportunity to reminisce at the Alumni Ball were left to right, Mrs. J. S. Brimacombe (nee Edith Williamson, nursing '36); Mrs. B. C. Whittaker (nee Mary Spohn, nursing '36); Mrs. W. R. Stuart (nee Dorothy Wright, nursing '36); Mrs. Cameron Macpherson (nee Gladys Conquest, nursing '36); Mrs. J. Rebus (nee Hilda Allen, arts '36); Mrs. M. Satanove (nee Julia Gogek, arts '36).



An Invitation to Swim



The University has extended a cordial invitation to all alumni (and wives or husbands) to swim in the

WINSLOW AND CHRISTIAN HAMILTON MEMORIAL POOL

from

7:45 p.m. - 9:30 p.m.
every Friday



Admission: 50c per person

Towels supplied

Alumni identification cards may be obtained on request from the Alumni Office.



Dr. E.H. Moss,
11101 - 87 Ave.,
Edmonton, Alta.